

ABSTRACT

[00217] A method for controlling an automotive vehicle (10) having a plurality of wheels (12a), (12b), (13a), (13b) includes determining a yaw rate, determining a lateral acceleration, determining a roll rate, determining longitudinal acceleration; and determining a calculated angle relative to the vehicle. The method further includes generating a wheel lift signal or a wheel grounded signal as a function of yaw rate, lateral acceleration, roll rate and longitudinal acceleration, adjusting the calculated angle in response to the wheel lift or wheel grounded signal, and controlling a safety system in response to the calculated vehicle angle.